

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Page 1 of 6

| | |
|------------------------|-------------------|
| Application Number | 10/583,812 |
| Filing Date | June 22, 2006 |
| First Named Inventor | Richard K. COOPER |
| Art Unit | 1633 |
| Examiner Name | Sumesh KAUSHAL |
| Attorney Docket Number | 51687-331126 |

U.S.PATENTS

| Examiner Initial* | Cite No | Patent Number | Kind Code ¹ | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|---------------|------------------------|---------------|---|---|
| | 1 | 6939959 | | Sep. 6, 2005 | Hu | |
| | 2 | 7294507 | | Nov. 13, 2007 | Harvey et al. | |
| | 3 | 7335761 | | Feb. 26, 2008 | Harvey et al. | |
| | 4 | 7375258 | | May 20, 2008 | Harvey et al. | |
| | 5 | 7381712 | | June 3, 2008 | Christmann et al. | |
| | 6 | 6635740 | | Oct. 21, 2003 | Enright et al. | |
| | 7 | 6680058 | | Jan. 20, 2004 | Enright et al. | |
| | 8 | 7527966 | | May 5, 2009 | Cooper et al. | |
| | 9 | 7566777 | | Jul. 28, 2009 | Enright et al. | |
| | 10 | 7608451 | | Oct. 27, 2009 | Cooper et al. | |

U.S.PATENT APPLICATION PUBLICATIONS

| Examiner Initial* | Cite No | Publication Number | Kind Code ¹ | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|--------------------|------------------------|------------------|---|---|
| | 11 | 20010044937 | | Nov. 22, 2001 | Schatten et al. | |
| | 12 | 20020016975 | | Feb. 7, 2002 | Hackett et al. | |
| | 13 | 20020079797 | | June 20, 2002 | Lin | |
| | 14 | 20030143740 | | July 31, 2003 | Wooddell et al. | |
| | 15 | 20040110143 | | June 10, 2004 | Bennett et al. | |
| | 16 | 20040142475 | | July 22, 2004 | Barman et al. | |
| | 17 | 20040172667 | | Sep. 2, 2004 | Cooper et al. | |
| | 18 | 20040197910 | | Oct. 7, 2004 | Cooper et al. | |
| | 19 | 20040203158 | | Oct. 14, 2004 | Hackett et al. | |
| | 20 | 20040210954 | | Oct. 21, 2004 | Harvey et al. | |
| | 21 | 20040226057 | | Nov. 11, 2004 | Christmann et al. | |
| | 22 | 20040235011 | | Nov. 25, 2004 | Cooper et al. | |
| | 23 | 20040255345 | | Dec. 16, 2004 | Rapp et al. | |
| | 24 | 20050003414 | | Jan. 6, 2005 | Harvey et al. | |
| | 25 | 20050034186 | | Feb. 10, 2005 | Harvey et al. | |
| | 26 | 20050050581 | | Mar 3, 2005 | Harvey et al. | |

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Page 2 of 6

| | |
|------------------------|-------------------|
| Application Number | 10/583,812 |
| Filing Date | June 22, 2006 |
| First Named Inventor | Richard K. COOPER |
| Art Unit | 1633 |
| Examiner Name | Sumesh KAUSHAL |
| Attorney Docket Number | 51687-331126 |

| | | | | | | |
|--|----|-------------|--|----------------|---------------|--|
| | 27 | 20050066383 | | March 24, 2005 | Harvey | |
| | 28 | 20050176047 | | Aug. 11, 2005 | Harvey et al. | |
| | 29 | 20080235813 | | Sep. 25, 2008 | Cooper et al. | |
| | 30 | 20080235815 | | Sep. 25, 2008 | Cooper et al. | |
| | 31 | 20100081789 | | April 1, 2010 | Cooper et al. | |
| | 32 | 20100099148 | | April 22, 2010 | Cooper et al. | |
| | 33 | 20100261227 | | Oct. 14, 2010 | Cooper, R. K. | |
| | 34 | 20110162096 | | June 30, 2011 | Cooper et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial* | Cite No | Foreign Document Number ³ | Country Code ² | Kind Code ⁴ | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines of Relevant Passages or Figures | T ⁵ |
|-------------------|---------|--------------------------------------|---------------------------|------------------------|------------------|--|---|----------------|
| | 35 | 1989000199 | WO | | Jan. 12, 1989 | Louisiana State University Agricultural and Mechanical College | | |
| | 36 | 1990012866 | WO | | Nov. 1, 1990 | Louisiana State University Agricultural and Mechanical College | | |
| | 37 | 1995001095 | WO | | Jan. 12, 1995 | Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | | |
| | 38 | 1995001424 | WO | | Jan. 12, 1995 | Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | | |
| | 39 | 2000512149 | JP | | Sep. 19, 2000 | Board of Trustees Operating, Michigan State University | | |
| | 40 | 2001513336 | JP | | Sep. 4, 2001 | Biotechnology and Biological, Sciences Research Counsel | | |
| | 41 | 2001083786 | WO | | Nov. 8, 2001 | Midwest Research Institute | | |
| | 42 | 2002002738 | WO | | Jan. 10, 2002 | Gala Design, Inc. | | |
| | 43 | 2002046430 | WO | | Jun. 13, 2002 | Applied Research Systems ARS, Holding N.V. | | |
| | 44 | 2002238559 | JP | | Aug. 27, 2002 | Nagoya Industrial Science, Research Inst | | |
| | 45 | 2004003157 | WO | | Jan. 8, 2004 | Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | | |
| | 46 | 2003261096 | AU | | Jan. 19, 2004 | TransGenRx, Inc. | | |
| | 47 | 2004/067706 | WO | | Aug. 12, 2004 | TransGenRx, Inc. | | |

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Page 3 of 6

| | |
|------------------------|-------------------|
| Application Number | 10/583,812 |
| Filing Date | June 22, 2006 |
| First Named Inventor | Richard K. COOPER |
| Art Unit | 1633 |
| Examiner Name | Sumesh KAUSHAL |
| Attorney Docket Number | 51687-331126 |

| | | | | | | | |
|----|-------------|----|--|---------------|--|--|--|
| 48 | 2004067707 | WO | | Aug. 12, 2004 | Transgenres, LLC et al. | | |
| 49 | 2004092351 | WO | | Oct. 28, 2004 | Avigenics, Inc. | | |
| 50 | 2005/062881 | WO | | July 14, 2005 | TransGenRx, Inc. | | |
| 51 | 2005062881 | WO | | July 14, 2005 | Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | | |
| 52 | 2006093847 | WO | | Sep. 8, 2006 | Avigenics, Inc. | | |
| 53 | 1539785 | EP | | May 6, 2009 | Transgenrx, Inc. | | |
| 54 | 1592789 | EP | | May 20, 2009 | TransGenRx, Inc. | | |
| 55 | 2010036978 | WO | | April 1, 2010 | Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | | |
| 56 | 2010036979 | WO | | April 1, 2010 | Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | | |
| 57 | 2010118360 | WO | | Oct. 14, 2010 | Cooper, Richard et al. | | |

NON-PATENT LITERATURE DOCUMENTS

| | | | |
|--------------------|---------|---|----------------|
| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁵ |
| | 58 | "Gene Therapy a Suspect in Leukemia-Like Disease", Science, News of the Week, October 4, 2002, Vol. 298, 34-35. | |
| | 59 | 10/609,019, "Notice of Allowance", 1/9/2009. | |
| | 60 | 10/609,019, "Office Action", 5/4/2007. | |
| | 61 | 10/609,019, "Office Action", 11/7/2006. | |
| | 62 | 10/609,019, "Office Action", 6/26/2006. | |
| | 63 | 10/609,019, "Office Action", 10/17/2007. | |
| | 64 | 10/609,019, "Office Action", 2/12/2008. | |
| | 65 | 10/609,019, "Office Action", 12/27/2005. | |
| | 66 | 10/746,149, "Office Action", 2/3/2009. | |
| | 67 | 10/746,149, "Office Action", 2/8/2008. | |
| | 68 | 10/746,149, "Office Action", 10/18/2007. | |
| | 69 | 10/746,149, "Office Action", 2/28/2007. | |
| | 70 | 10/746,149, "Office Action", 8/20/2008. | |
| | 71 | 10/746,149, "Office Action", 8/9/2006. | |
| | 72 | 11/981,574, "Notice of Allowance", 8/10/2009. | |
| | 73 | 11/981,574, "Office Action", 6/24/2009. | |
| | 74 | 11/981,574, "Office Action", 1/7/2009. | |

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Page 4 of 6

| | |
|------------------------|-------------------|
| Application Number | 10/583,812 |
| Filing Date | June 22, 2006 |
| First Named Inventor | Richard K. COOPER |
| Art Unit | 1633 |
| Examiner Name | Sumesh KAUSHAL |
| Attorney Docket Number | 51687-331126 |

| | | |
|-----|---|--|
| 75 | 11/981,629, "Office Action", 12/27/2010. | |
| 76 | 11/981,629, "Office Action", 12/10/2009. | |
| 77 | 11/981,629, "Office Action", 2/5/2009. | |
| 78 | ALEXEYEV et al., "Mini-Tn10 transposon derivatives for insertion mutagenesis and gene delivery into the chromosome of Gram-negative bacteria", Gene, Vol. 160, No. 1, 4 July 1995, 59-62. | |
| 79 | AU 2003261096, "Examiner's Second Report dated Jun 6, 2008". | |
| 80 | AU 2003261096, "Notice of Acceptance". | |
| 81 | CA 2,490,693, "Notice of Allowance" 3/24/11. | |
| 82 | CA 2,490,693, "Office Action" 10/5/2009. | |
| 83 | CA 2,490,693, "Office Action", 5/4/2010. | |
| 84 | CA 2,490,693, "Office Action", 12/30/2010. | |
| 85 | EP 037621729, "Communication Under Rule 71(3) EPC", 11/11/2008. | |
| 86 | EP 037621729, "Fifth Office Action", 02/26/2008. | |
| 87 | EP 037621729, "Fourth Office Action", 10/10/2007. | |
| 88 | EP 037621729, "Supplementary Search Report", 02/15/2006. | |
| 89 | EP 03800225.9, "Decision to Grant", 8/19/2008. | |
| 90 | EP 03800225.9, "First Office Action", 6/14/2007. | |
| 91 | EP 03800225.9, "Second Office Action", 11/7/2007. | |
| 92 | EP 03800225.9, "Supplemental Search Report", 5/26/2006. | |
| 93 | FISHER et al., "Induction of Terminal Differentiation in Cancer Cells as a Therapeutic Modality for Suppressing Tumor Growth: Studies Employing Human Melanoma", Anticancer Research, 1988, Vol. 8 (5B), 1057. | |
| 94 | GEYER et al., "Protecting against promiscuity: The regulatory role of insulators", Cellular and Molecular Life Sciences, XP002573586, 2002, Vol. 59, No. 12, pp. 2112-2127. | |
| 95 | HEILIG et al., "NCBI Accession No. V00437-Gallus Gallus Fragment of Ovalbumin Gene Coding for the First Leader Exon.", 1997. | |
| 96 | HEILIG et al., "The Ovalbumin Gene Family, The 5' End Region of the X and Y Genes", J. Mol. Bio., 1982, Vol. 156, No. 1, pp. 1-19. | |
| 97 | HERRERO et al., "Transposon Vectors Containing Non-Antibiotic Resistance Selection Markers for Cloning and Stable Chromosomal Insertion of Foreign Genes in Gram-Negative Bacteria", Journal of Bacteriology, Washington, DC, Vol. 172, No. 11, 1 November 1990, 6557-6567. | |
| 98 | HOUBRECHT et al., "The Methods to Generate Animals and to Control Transgene Expression", J. Biotech, 2006, 98:146-147. | |
| 99 | JELTSCH et al., "The Complete Nucleotide Sequence of the Chicken Ovotransferrin mRNA", Eur.J. Biochem, 1982, 122, 291-295. | |
| 100 | JP 2004-518011, "Final Decision of Rejection", 3/2/2010. | |
| 101 | JP 2004-518011, "First Office Action", 9/8/2009. | |

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Page 5 of 6

| | |
|------------------------|-------------------|
| Application Number | 10/583,812 |
| Filing Date | June 22, 2006 |
| First Named Inventor | Richard K. COOPER |
| Art Unit | 1633 |
| Examiner Name | Sumesh KAUSHAL |
| Attorney Docket Number | 51687-331126 |

| | | | |
|--|-----|---|--|
| | 102 | JP 2004567449, "First Office Action", 12/1/2009. | |
| | 103 | LARGAESPADA, "Generating and manipulating transgenic animals using transposable elements", Reproductive Biology and Endocrinology XX, XX, XP021009352, 2003, vol. 1, no. 1, page 80. | |
| | 104 | LILLICO et al., "Transgenic Chickens as Bioreactors for Protein-Based Drugs", Drug Discovery Today, February 2005, Vol. 10, No. 3, pp. 191-196. | |
| | 105 | MAKSIMENKO, "Insulators of Higher Eukaryotes: Properties Mechanisms of Action, and Role in Transcriptional Regulation", Russian Journal of Genetics, XP002573587, 2006, Vol. 42 , No. 8, pp. 845-857. | |
| | 106 | MAKSIMENKO, "Insulators of higher Eukaryotes: properties, mechanisms of action, and role in transcriptional regulation", GENETIKA (2006-08),XP002573587, 2006, Vol. 42, No. 8, pp. 1029-1044. | |
| | 107 | MOZDZIAK et al., "Status of Transgenic Chicken Models for Developmental Biology", Developmental Dynamics, 2004, 229:414-421. | |
| | 108 | PCT/US03/041335, "International Search Report", 11/3/2004. | |
| | 109 | PCT/US03/41261, "International Search Report", 11/3/2004. | |
| | 110 | PCT/US04/43092, "International Search Report and Written Opinion", 5/11/06. | |
| | 111 | PCT/US2003/020389, "International Search Report", 04/02/2004. | |
| | 112 | PCT/US2009/058494, PCT International Search Report, mailed 4/14/2010. | |
| | 113 | PCT/US2009/058497, PCT International Search Report, mailed 4/14/2010. | |
| | 114 | PCT/US2009/058498, International Search Report and Written Opinion mailed 10/6/2010. | |
| | 115 | PIEPER, et al., "Restoration of Vascular Endothelial Function in Diabetes", Diabetes Res. Clin. Pract. Suppl., 1996, S157-S162. | |
| | 116 | SANG et al., "Prospects for Transgenesis in the Chick", Mech. Dev., 2004, 121(9): 1179-86. | |
| | 117 | TELMER et al., "Epitope Tagging Genomic DNA Using a CD-Tagging Tn10 Minitransposon", Bio Techniques 2002, Vol. 32, No. 2; 422-430. | |

EXAMINER SIGNATURE

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.